

US EPA ARCHIVE DOCUMENT

DATE OUT: 19/SEP/2002

SUBJECT: PRODUCT CHEMISTRY REVIEW OF: TECHNICAL GRADE ACTIVE INGREDIENT
DP BARCODE No.: 283804 EPA RECEIVED DATE: 31/MAR/2000 REG./File Symbol No. 100-895
PRODUCT NAME: Affirm Technical, 70% Abamectin
COMPANY NAME: Syngenta Crop Protection, Inc . MRIDs: 450967-01 Action Code: 347

FROM: Sami Malak, Chemist
Technical Review Branch/RD (7505C)

TO: 04 Meredith Laws/Thomas Harris
Insecticide-Rodenticide Branch/RD (7505C)

INTRODUCTION:

The Insecticide-Rodenticide Branch requested TRB to review for acceptability the water solubility of subject product.

FINDINGS:

The submitted product's water solubility, MRID #450967-01, entitled "Abamectin Technical, Water Solubility, Data Requirement of OPPTS 830.7840." The study was authored by Lisa Phelps; Submitted by Syngenta Crop Protection of Greensboro, NC; Completed on 23/APR/1999 (39 pages). No claim of confidentiality was made as per a Confidentiality statement dated 26/APR/1999, and, according to a GLP statement dated 28/APR/1999, the study was conducted in compliance with the GLP requirements of 40CFR§160.

The study was conducted in compliance with OPPTS Test Guidelines #'s 830.7840. Measurements were conducted using the shake flask by HPLC analysis of saturated solution and the determination was made at 25°C.

Test results indicated the average water solubility value of abamectin technical was reported at 1.21 µg/ml at pH 7.57 and room temperature of 25°C.

CONCLUSIONS:

The applicant has satisfied product chemistry data requirement of OPPTS Test Guidelines #'s 830.7840 pertaining to water solubility of abamectin technical. Reported value was 1.21 µg/ml at pH 7.57 and room temperature of 25°C.